

Ford 6.8L, G, 2017 - 2019, A Pump, Side Port

Bolt Packages:

| | |
|--------------|------------------------------|
| Bracket | 716242 (Inc. item 13-17, 20) |
| Pulley | 716255 (Inc. item 19) |
| Idler pulley | None |
| Tensioner | None |

| | | | |
|------------|----------|---|------------|
| Belt decal | 702168 |  | |
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| | | | |
| | | | |
| Issue Date | 10-20-16 | Revision Date | D 12-03-19 |

| Item | Part No. | Description | Quan |
|------|----------|------------------------------|------|
| 1. | 716240 | Pump bracket | 1 ea |
| 2. | 716238 | Hose bracket, power steering | 1 ea |
| 3. | 740455 | Crank pulley | 1 ea |
| 4. | * | Pump | 1 ea |
| 5. | 742016 | Clutch | 1 ea |
| 6. | 740427 | Idler | 2 ea |
| 7. | 742034 | Tensioner | 1 ea |
| 8. | 712064 | Radiator hose | 1 ea |
| 9. | 712066 | Connector, radiator hose | 1 ea |
| 10. | 702170 | Hose clamp, 2.25" | 2 ea |
| 11. | ----- | ----- | 1 ea |
| 12. | 102074 | Adel clamp, 1.25" | 1 ea |
| 13. | 110071 | Nut, 1/4-20 U-type | 1 ea |
| 14. | 111146 | Bolt, M8-1.25 x 110 Flange | 3 ea |
| 15. | 110217 | Bolt, M10-1.5 x 70 | 1 ea |
| 16. | 110955 | Washer, M10 flat | 1 ea |
| 17. | 112072 | Bolt, M10-1.5 x 40 flange | 2 ea |
| 18. | 110437 | Bolt, 3/8-16 x 3/4 flange | 2 ea |
| 19. | 111147 | Bolt, M10-1.5 x 60 flange | 3 ea |
| 20. | 110468 | Bolt, 1/4-20 x 3/4 flange | 1 ea |
| 21. | 740353 | Belt, Micro-V K060806 | 1 ea |

FIG. 1
BELT DIAGRAM

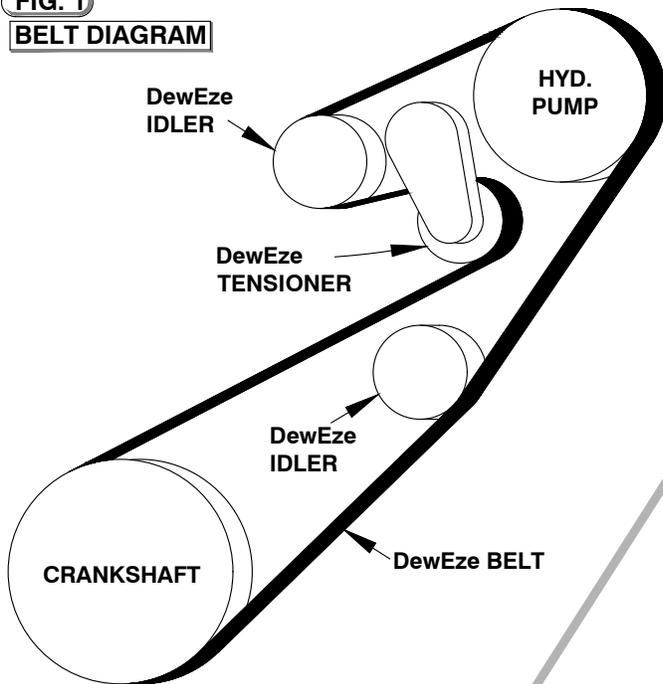
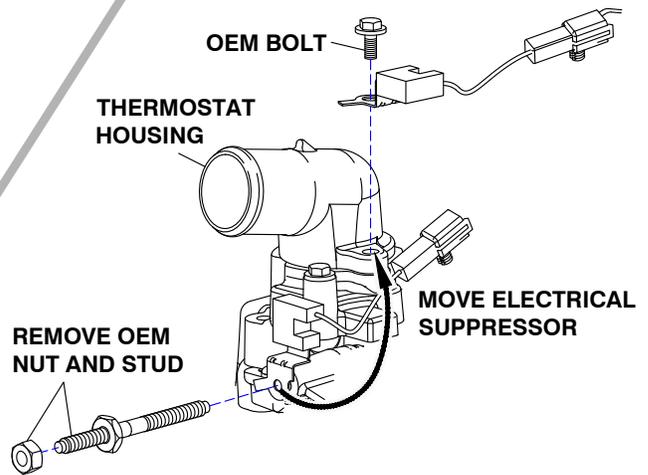


FIG. 2
MOVE ELECTRICAL SUPPRESSOR



DewEze Clutch Pump Kit 700587

Ford 6.8L Gas, A Pump, Side Port, 2017+

INSTALLATION INSTRUCTIONS

Note: Suction hose to the pump must be spiral wire hose; 1" ID for 7 & 9 GPM pumps, 1-1/4" ID for 12 & 17 GPM pumps. Installations with smaller hoses will negatively affect pump performance and may significantly shorten pump life. In certain cases it may void pump warranty.

1. The installation of this kit requires trained decision-making concerning clearances, tying components together, rerouting, or relocating OEM components, etc. It is impossible to describe all of the clearance and vibration points, etc. in the installation instructions. Therefore, the technician must exercise professional judgment to achieve the best quality installation.
2. Disconnect the battery.
3. Using the petcock on the lower driver side of the radiator, drain enough coolant to remove the upper radiator hose. Be prepared to catch an amount over 1 gallon. It may be reused if clean containers and procedures are used in catching the antifreeze. The 2017 6.8L uses orange "Dex-Cool" type antifreeze if additional coolant is needed.
4. Remove upper radiator hose. It is attached to the radiator with a quick connect fitting - pull the wire clip out of the fitting to unlatch and slide the connector off.
5. Remove the engine fan and slide forward into the shroud for clearance. (The fan nut is 1 7/8" or 47mm, right hand thread.) Hold fan pulley stationary with suitable tool.
6. Pull wire clip from valve cover above Location B on engine, this wire will need to be placed behind the pump bracket. Pull power steering hose clip from stud at Location B and disconnect clip from steering hose. Slide clip nut (13) onto the DewEze steering hose bracket (2) as shown in Fig. 3, place Adel clamp (12) around steering hose and attach to steering hose bracket clip nut with 1/4-20 x 3/4" bolt (20). Set this aside in truck to attach to the pump bracket upon installation.
7. Remove outer nut from stud at Location A and slide off the electrical suppressor. Move this suppressor under the thermostat housing bolt on the driver side, as in Fig. 2.
8. Place Deweze Crank Pulley (3) down and into the OEM damper, making sure the center bore slides over the pilot in the damper, lining up the bolt holes. Attach with three M10-1.5 x 60mm flange bolts (19) into the damper. Visually check that the pulley is parallel to the face of the damper.
9. Remove the OEM studs at Locations A, B, and C. Install the fittings into the pump. Mount the pump (4) to the back of the pump plate (1) with two 3/8 x 1 flange bolts (18). Mount the clutch coil (5a) to the pump bracket with four 1/4 x 1/2 flange bolts (5b). Mount the clutch pulley (5c) to the pump shaft with the 5/16 x 1 1/4 bolt (5d) and heavy flat washer (5e) making sure the key is in place on the shaft.
10. Mount bracket onto engine at Locations A, B, and C as shown in Fig. 3 using three M8-1.25 x 110mm flange bolts (14). Make sure to place the power steering hose bracket (with the hose attached) under the bolt head at Location B. Install two idlers (6) onto the bracket bosses with two M10-1.5x40mm flange bolts (17).
11. Observing the belt diagram in Fig. 1, wrap belt around tensioner pulley and install tensioner (7) onto bracket with M10-1.5x70mm bolt (15) and flat washer (16). Route belt as shown in diagram and install the belt.
12. Rotate the power steering reservoir hose clamp in front of the clutch if needed for clearance.
13. Reinstall engine fan (clearance to the idler pulleys will be tight). Install the supplied quick connect fitting (9) onto the radiator aligning the tabs; there is only one orientation that will work.
14. Install the replacement radiator hose (8) as shown in Fig. 3 with supplied hose clamps (10).
15. Refill engine coolant into the reservoir.
16. Reconnect the battery.
17. Run the engine and check for any clearance or alignment problems. Adjust as needed.

STARTUP INSTRUCTIONS

After the installation of the kit, start up of a hydraulic system requires that the hydraulic pump be started following professional fluid power standards. Our testing shows that running a pump for as little as **30 seconds without oil** can cause damage that shortens the life of the pump. Therefore the pump with a non-flooded inlet must be primed; air bled out of the system, so oil reaches the pump immediately.